HAMATEUR CHATTER

One of the World's Oldest Continuously Active Radio Amateur Clubs - - since 1917

Volume 11 No. 3 - January, 2003

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From The President's Desk

Happy New Year!

Patrick Moretti - W9UQ

Since our last Chatter, we have gone through the punctuation ceremony for the end of the year. We watched the Ball drop in Times Square and we waited for something meaningful to happen... didn't really. But it was a celebration of yet another year brought to a close, a chance to do away with the old and bring in the new for a fresh start. A chance to review the past and in so doing - get a chance to improve the future.

Many of us wait around for something to happen - for some one else to make something happen - and sometimes it does and we are in awe - sometimes it doesn't and we passively lament our boredom.

I would like to suggest that most Radio Amateurs are people who like to do something. We are inquisitive and persistent. We explore technology through circuit or antenna design. We explore various means and techniques of communications. We explore humanity through our distant as well as our local communications. We explore our planet's climate and conditions by getting and sharing global weather reports. We explore our relationship with our local star by monitoring "Sun spots" and other related solar phenomena. We explore orbital mechanics by sending our signals into space and receiving them - returned by one of our own Radio Amateur built satellites. We do quite a lot really!

What we need to ask ourselves is: "Which side of the activity equation are we on? Are we the passive receptor of someone else's activity or are we a contributor?"

Since this is a new year and we have a fresh start... It is an opportunity to make a contribution to Amateur Radio and to your community. Yes I know this sounds a lot like "preaching" and you may not be reading the Chatter for a "sermon"... sorry! But I do expect that none should rest on their laurels of past accomplishment and rather use those same laurels to stand on and reach yet a higher goal... it's the old "what have you done for me lately?" syndrome of corporate America, but it has been a driving

Continued on pg 2

Milwaukee Area Nets

DAY	TIME	MHz	ACTIVITY
Daily	6-8 AM	14.290	Wisconsin/Florida (SSB)
Daily	6:30 PM	3.645	WI Slow Speed CW Traffic
Mon-Fri	8:30 AM	3.965	After Breakfast Club (SSB)
Mon.	8:00 PM	3.994	Tech Net
Mon.	8:00 PM	146.445	Emergency Net
Mon.	8:00 PM	146.670	ARRL voice news (ARES)
Mon.	9:00 PM	146.670	ARES Net (Milwaukee-Waukesha)
Mon.	9:00 PM	50.160	6 Mtr. General Net
Tue.	9:00 AM	50.160	6 Mtr. 2nd Shifter's Net
Tue.	8:00 PM	144.250	Badger Contesters (SSB)
Tue.	8:00 PM	7.035	A.F.A.R. (CW)
Wed.	8:00 PM	28.365	10/10 Internat. (Milwaukee Ch.) (SSB)
Wed.	8:00 PM	145.13	ARRL voice news
Wed.	8:00 PM	147.270+	Weather & Swap net.
Wed.	9:00 PM	145.13	AMSAT net
Thu	9:00 PM	50.160	6 Mtr. General Interest Net
Thu.	9:00 PM	146.91 -	Computer Net
Fri	8:30 PM	28.490	MRAC W9RH 10 meter Net (SSB)
Fri.	9:00 PM	145.390-	W9RH 2 mtr. FM Net after 10 mtr. Net
Sat	9:00 PM	146.910-	Saturday Night Fun Net
Sun.	8:30 AM	3.985	QCWA (Chptr 55) (SSB)
Sun.	10:00 AM	443.800+	FM-38 link to 146.88 Baraboo SWAP Net
Sun.	8:00 PM	28.365	10/10 International (Milwaukee Ch.) (SSB)
Sun.	8:00 PM	146.91-	Information Net
Sun.	9:00 PM	146.91-	Swap Net

Two meter (FM) Frequencies are 600 KHz offset repeaters. FM 38 is + 5 MHz. Ten meter (SSB) frequencies are upper sideband (USB).

Prez Cont. from pg. 1

force behind our growth as a people! Constantly reaching and searching for improvement - seeking and embracing change and growth. What to do is simple we have many opportunities. For example:

Seek out a new ham and become an Elmer.

Offer to present a program on your favorite activity.

Educate us, we are sponges waiting for more knowledge.

Share what you know.

Demonstrate a skill.

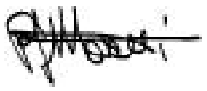
Volunteer your time and skill.

Help educate your local community about the contributions of Amateur Radio.

Reflecting on Last Year... we did accomplish a few things... We had a successful Field Day! Our meetings had interesting programs that brought more people to join our club and help support our growth. We taught an extra class and all who took the test passed it and upgraded. We held a technician class and were able to welcome several new hams into our community. We provided a service to the Radio Amateur community by providing VE testing on a regular basis. We dramatically improved our repeater and demonstrated true Amateur cooperative spirit by accepting to change our repeater frequency to help another local group solve an interference problem.

Our club is made up of many individual contributors and I am grateful and thank every one of you for giving me the opportunity to participate! Now let's get on with this New Year! It is up to us to make it a Happy One!

73



Patrick
W9UQ

MRAC VEC A Exam Schedule

- Saturday, January 25, 2003
  9:30 AM – AES
- Saturday, February 22, 2003
  9:30 AM – AES
  9 AM (AES Superfest)
- Saturday, April 26, 2003
  9:30 AM – AES
- Saturday, May 31, 2003
  9:30 AM – AES
- Saturday, July 26, 2003
  9:30 AM – AES

AES is Amateur Electronics Supply at 5700 W. Good Hope Rd. in Milwaukee, WI

USE Our Repeater 145.390 MHz -(127.3 Hz PL)!

Our repeater is a quiet one because YOU keep it that way.

HamateurChatter

HamateurChatter is the newsletter of MRAC (Milwaukee Radio Amateurs' Club) which is a not for profit organization for the advancement of amateur radio and the maintenance of fraternalism and a high standard of conduct.

MRAC Membership dues are $17.00 per year and run on a calendar year starting with January1.

Our Club/VEC Phone no. is

(262) 797-MRAC or

(262) 797- 6 7 2 2.

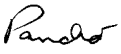
Correspondence may be addressed to:

M. R. A. C.

P.O. Box 070695

Milwaukee, WI 53207-0695

Our meetings are normally at 7:00 PM. the last Thursday of the month except for December.



Recent VE Exams

MRAC VEC held VE testing on Nov 30, 2002 at AES. There were 5 examinees, and all 5 were successful in either upgrading or in qualifying for their first license. Ten elements were given , and eight were passed.

VEs who helped out at today's session included:

Kent Christiansen N9WH
Tom Czaja KG9EE
Pancho Doneis KA9OFA
Bob Immekus W9CYI
John Kraak KF9XL
Patrick Moretti W9UQ
Tom Schulte AB9EK
Mark Tellier AB9CD
Jerry Thompson W9SFH

On behalf of our entire VEC organization, I would like to wish a Happy and Healthy Holiday Season to all.

John KF9XL

MRAC VEC held VE testing on Jan 4, 2003 in conjunction with the West Allis Radio Amateurs' Club Swapfest. There were 11 candidates, and 9 were successful in either upgrading or in qualifying for their first license. The VEs who helped out at the session included the following:

Doug Awe N9VA
Mark Bye KB9LDX
Gabe Chido WI9GC
Kent Christiansen N9WH
Tom Czaja KG9EE
Pancho Doneis KA9OFA
Tom Fuszard KF9PU
Bob Hensiak AB9EZ
Norm McNew KB9QL
John Merkl WB9PSE
Joe Mettry AA9DO
Patrick Moretti W9UQ
Tom Schulte AB9EK
Sherm Swanson KB9Q
Mark Tellier AB9CD

Our next exam session will be held on Sat - Jan 25, 2003 at AES.

Membership Meetings Oct. 30, 2002

Meeting called to order at 7:05pm by club president Patrick, W9UQ. We now have a microphone to pass around, so introductions were made by all present.

Sherm, KB9Q, explained his proposal for a MRAC sponsored VHF-UHF FM only contest. The purpose of the contest is to get everyone acquainted with the simplex frequencies. The contest would be some time in February, a Saturday or Sunday. The bands to be used are 6 meters, 2 meters, 220 meters and 70cm. Each segment would run for 30 minutes. Patrick asked for a show of hands for those who would be interested in participating in such a contest. Most of the members present held up their hands. Further details will be coming, as the event gets closer. Check the newsletter and club web page.

Les, AB9EY gave the treasurer's report. The club's liquid assets are $5411.08. A motion was made by Pancho, KA9OFA and seconded by Kate, KA9MWT to except the report as read. Motion passed.

Tom AB9EK gave a summarized report of the September meeting. A motion was made by Pancho, and seconded by Mark, AB9CD to except the minutes as summarized. Motion passed.

Forms for membership renewal and the Christmas Party are available. There is an extra line on the membership renewal form for anyone who would like to make a donation to the club. You can state where you would like your donation to go, such as the club's general fund or the repeater fund. Dave, WB9BWP auctioned a few items that were brought in by a few club members. The proceeds went to the repeater fund.

Pancho, KA9OFA is looking for stuff to put in the newsletter. If you can write up an article on something, please send it to Pancho and he will get it into the newsletter.

There will be VE testing on November 30th at AES. Mark, AB9CD stated that a general class would start on February 1st at AES. Starting time will be 12:00pm and will go for nine weeks. Flyers will be made available at AES and the information will be on the club web page.

A motion was made by Matt, KB9PRC and seconded by Mark, AB9CD to adjourn the meeting at 7:40pm. Motion passed. Brian, K9LCQ and Jeff, K9VS presented the program for the evening. The subject was model rockets. Thanks Brian and Jeff for the nice program.

Respectfully submitted

Tom Schulte

Tom Schulte - AB9EK

Club Secretary

Nov. 21, 2002

M.R.A.C. meeting was called to order by the President, W9UQ - Patrick at 7:09 P.M.

An introduction by all the members and their guests followed on our portable mike.

In all we had approximately 30 present. KA9MWV, Myron Hendrickson is in the V.A. hospital.

The Treasurers report was not presented because of the lack of a Bank Statement. The Christmas Party was discussed but due to so few having put in a reservation we could not make reservations at the Machine Shed. It required more looking into by those wanting the party.

New Business - NONE.

Old Business - NONE.

A discussion followed concerning the VHF/UHF Contest by M.R.A.C., to be run February 9, 2003, and it was agreed by all to put the necessary information on the Web Site for all to obtain.

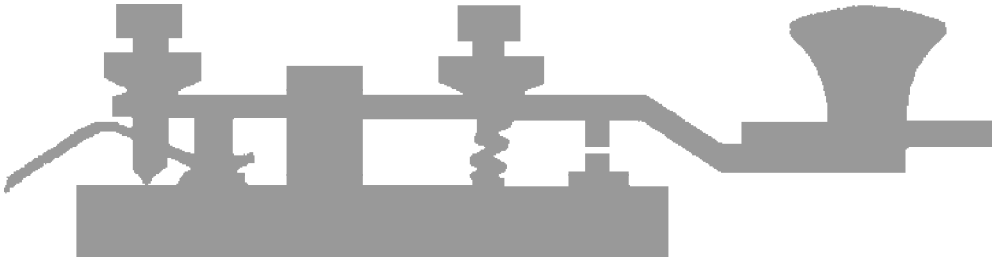
An auction by our president was a "Lew McCoy Antenna Handbook.

Meeting was adjourned at 7:17 P.M. (Very short meeting.)

Program: Power Plug Connections (by Andersen Co.) presented by Patrick - W9UQ, and "A new Method for Installing RG-8 Cable to PL-159's" by WA9CGE, Jerry.

Respectfully,

WA9CGE - Jerry (Board Member)



Exam Requirements

When coming to take an exam, please bring your present original license (if you have one) plus a copy for our records. Also bring any CSCE's (along with a copy of each) which might pertain to the license upgrade for which you are striving. If you wish to apply for a grandfathered credit (for example, an old novice license credit for the EL-1 code exam) you must furnish written proof of this credit. Please bring along 2 forms of ID including one with your picture. The fee for the exam remains at $8. If you need to re-take an exam element at the same session, a separate $8 fee is charged. Please bring a pen, pencils, and a simple, non-programable calculator.

Thank you.

John (KF9XL)

John - KF9XL

The HAM shack of Fred Recklies - KB9JBG.
Give him a call sometime or better yet, visit him.

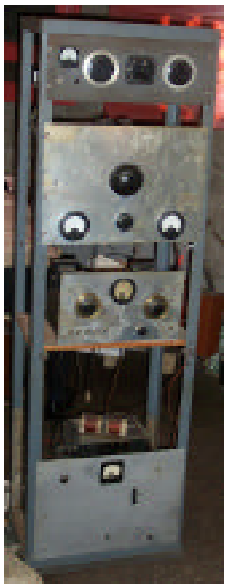
If you'd like to see your shack on these pages, please send them along with a brief description to:

Pancho Doneis - KA9OFA
1958 N. 39th St
Milwaukee, WI 53208
or
pancho@thepark.net

Whatsit?

After Christmas Gift?

Do you know what this is?



It appears to be a half kilowatt CW transmitter. Might be 10 and 20 meters (there is some band switching). The bottom unit is the power supply. The transformer is a Thordarson (about one cubic foot in size). Next to it is a high voltage bridge. The unit above this appears to be a VFO and exciter. Above this is a power amplifier using two Eimac 4-125 tubes. The top unit is an antenna tuner. It appears to be a pi type with roller inductor.

It is possible this unit is not in working order at present and may need some restoration and testing. Even if you aren't interested in CW, this unit is loaded with American made transmitter components that are no longer available.

This unit belongs to a ham that can no longer operate because of health problems. If interested in this item, please contact Mark Tellier, AB9CD, at ab9cd@arrl.net or Roger Zaun, W9UVV, at w9uvv@aol.com. Contact Mark if you would like to see more pictures.

Upcoming Programs

Everything you wanted to know about QSL's but were afraid to ask.

The program for our January 30th meeting will be a presentation on QSL's (both paper and electronic) by Tom Schulte.

Upcoming programs will include a talk with pictures about the Circus Train and ride by Phil Rebensburg - KC9CI and a presentation by Patrick Moretti - W9UQ about the ARRL.

If any of you have a program which would be interesting to our members, please don't be shy about it. Let us know about it. Or if you know of an interesting program by anyone else for our meetings don't hesitate, letus know about these programs. We'll see what we can do to bring them to reality.

MRAC FM SIMPLEX CONTEST

This Contest, the afternoon of **February 9, 2003**, is sponsored by The Milwaukee Radio Amateurs' Club – which has been continuously meeting for more than 85 years. The purpose of this contest is to encourage amateurs to learn the basics of contesting and to expand the scope of their V-UHF operating techniques beyond that needed for repeater operation.

1. This event is a sprint, lasting 2 hours and limited to FM simplex on the 2 meter, 70 centimeter, 6 meter and 1.25 meter amateur bands.
2. Contest frequencies: In order to generate maximum activity all stations would be on the same band at the same specific time. Each band is assigned a 30-minute segment during which contacts can be made on the listed frequencies that correspond to recommendations in the Wisconsin Association of Repeaters band plan.

   A. 2 meters 2:00 pm to 2:30 pm.

   (**Primary** 146.550, 146.565, 146.580 and 146.595 MHz)

   (**Secondary** 147.540 147.555 147.570 and 147.585 MHz)

   B. 70 centimeters 2:30 pm to 3:00 pm

   (446.025, 446.050, 446.075 and 446.100 MHz)

   C. 6 meters 3:00 pm to 3:30 pm

   (52.530, 52.550, 52.570 and 52.590 MHz)

   D. 1.25 meters 3:30 pm to 4:00 pm

   (223.520, 223.540, 223.560 and 223.580 MHz)
3. Frequencies essentially follow the ARRL VHF Contest rules and Wisconsin Association of Repeaters' band plans.

   A. 2 meters, no contacts on the 146.52 calling frequency or the guard channels 15 KHz above and below '52. (Using the Wisconsin Band Plan's 30 KHz spacing and 15 KHz splits) Any entry from a station heard making QSO's on these frequencies will be disqualified. Try to limit activity to the primary frequencies.

   B. As a matter of courtesy and good amateur practice, avoid the other calling frequencies 52.525, 223.500 and 446.000 MHz.

   C. Solicitation for simplex contacts on repeaters, but not 146.52 would be permitted.

   4. Exchange – Call Sign and four character Maidenhead Grid square.
5. **Scoring**:

   A. Each QSO on 2 and 0.70 meters would be worth one point. 6-meter QSO's would be worth two points and 1.25 meter QSO's four points.

   B. A station could be worked once per band. A mobile station could be worked more than once per band if it moves to a different grid square.

   C. Each grid square can be used once per band as a multiplier.

   D. Score would be calculated by multiplying total QSO points by total multipliers.

   E. Technicians would multiply their final score by 1.5 for a bonus, unless the station is an award winner in a previous MRAC FM Contest.

6. There would be four entry classifications:

   A. BASE/MOBILE, less than 150 watts on 6 and 2 meters and less than 100 watts on 1.25 and 0.70 meters. (ARRL classification of low power for V-UHF contests using common solid-state amplifiers.)

   B. HT's, (not mobile units run at reduced power) non-amplified, using any type of antenna, mobile or fixed operation, to encourage innovation and creativity.

   C. SWL's would also qualify for an award based on the total number of QSO's correctly logged with both stations call signs and grid squares. This is an opportunity for folks with only HT's and attached antennas to participate. (Ears but no mouth!) Not eligible for club affiliation.

   D. Clubs could compete by having their members note their affiliation when they send in an entry.

7. Awards, (second and third place awards at the committee's discretion). All entries will include a copy of their contest log showing the following data for each QSO. Local time, call sign of station worked, Grid Square.

   A. First in each of the four entry classifications. (Four possible)

   B. High score in individual band, in each power class, where significant activity exists. (Eight possible)

8. An entry should state number of QSO's, QSO points and grid square multipliers by band, claimed total score and a copy of the contest log. If indicated, note the club you are assigning your score to. Entries should be sent in by March 31, 2003.

HINTS FOR THE NON-CONTESTER - NEW CONTESTER

1. If you take advantage of the rule that permits solicitation of contacts on a repeater, be sure to specify the frequency you are moving to – and confirm that it is not in use. This would prevent someone automatically moving to a calling frequency. Use the secondary frequencies on two meters for this purpose if a primary is not available. Check first!
2. Shut off PL's and Tone Squelch (Encode – Decode).
3. The Maidenhead Grid Square is the most common multiplier in VHF/UHF contests, and is more important than states. In the Milwaukee area, a stations relationship to the intersection of Lincoln and 60th Street is the key. (Stations can also look up their grid square on the QRZ Web Site. If you are near a "square" boundary that source may not be accurate.) In relation to that intersection:

   A. Northwest quadrant is EN53

   B. Southwest quadrant is EN52

   C. Northeast quadrant is EN63

   D. Southeast quadrant is EN62
4. Most contests have a specific log sheet available, which can be downloaded from the Internet. Check out the forms available for the ARRL VHF Contests. Here is an example of a satisfactory format for logging and scoring . . .

Freq	Time	Station Worked	Grid	New Grids	Grid Multiplier	QSO Points	
2 mtrs	2:05	N9AUI		EN53	EN53	1	1
	2:10	KA9DNU/M	EN53			1	
	2:17	KA9DNU/M	EN63	EN63	1	1	
70 cm	2:35	N9AUI		EN53	EN53	1	1
	2:45	KB9Q	EN52	EN52	1	1	
6 mtrs	3:05	N9AUI		EN53	EN53	1	2
	3:15	KB9Q	EN52	EN52	1	2	
	3:20	KA9DNU	EN53		2		
1.25 m	3:40	KA9DNU	EN53	EN53	1	4	
	3:45	N9AUI	EN53			4	
	3:50	KB9Q	EN52	EN52	1	4	
				TOTALS	8	23	

EXAMPLE SCORE = 8 x 23 = **184**

THE MILWAUKEE RADIO AMATEURS' CLUB

THE MILWAUKEE RADIO AMATEURS' FM SIMPLEX CONTEST

ENTRY FORM

SUBMIT WITH LOG BY MARCH 31 2003 TO
MRAC, P.O.BOX 070695, MILWAUKEE, WI 53207-0695

CLAIMED SCORE_____

NAME_____

CALL SIGN_____LICENSE CLASS_____GRID SQUARE(S)_____

(MOBILES, LIST ALL GRIDS ACTIVATED – A STATION CAN BE WORKED MORE THAN ONCE IF YOU ARE IN A DIFFERENT GRID SQUARE EACH TIME)

ADDRESS_____

_____

EMAIL _____PHONE_____

CLUB AFFILIATION_____

CONTACTS

BAND	QSO'S	Q-PTS	POINTS	GRID SQUARES
2 m	_____	x 1 =	_____	_____
70 cm	_____	x 1 =	_____	_____
6 m	_____	x 2 =	_____	_____
1.25 m	_____	x 4 =	_____	_____
		TOTALS	_____	x _____

SCORE EQUALS TOTAL POINTS TIMES TOTAL GRIDS _____
TECHNICIANS, MULTIPLY BY 1.5.
TRANSFER FINAL TOTAL TO CLAIMED SCORE BLANK AT TOP OF PAGE.

I HAVE READ, UNDERSTAND AND HAVE FOLLOWED THE PUBLISHED RULES FOR THIS CONTEST. I HAVE OPERATED WITHIN THE LEGAL LIMITS OF MY AMATEUR RADIO LICENSE.

SIGNATURE_____DATE_____

SKYWARN Recognition Day

Well another SKYWARN Recognition Day has come and gone.

What's Skywarn Recognition Day? In late November of 1999, hundreds of volunteer ham radio operators hit the airwaves for the first ever National Weather Service (NWS) Amateur Radio Special Event. Two years later, the event was widely known and given new name, SKYWARN Recognition Day and takes place once per year. This was the fourth year for SRD and was held on December 7, from 0000 to 2359 UTC. Amateur radio operators who routinely participate in SKYWARN or ARES activities transmitted from approximately 100 National Weather Service (NWS) offices during SRD along with Environment Canada.

How does this special event work? Amateurs tried to contact as many NWS stations as possible. When contacting a NWS station, an exchange consisting of signal strength, QTH, and weather report was required.

What bands were worked? NWS stations operated on the following meter bands: 80, 40, 20, 15, 10, 6, and 2 meters. Some stations also operated on 70 cm. Repeater contacts were allowed. In fact, some NWS stations utilized the Internet Radio Linking Project (perhaps a future meeting topic) to make contacts.

What modes were utilized? NWS stations used different modes. Some stations sent CW, others used PSK-31, and still others used RTTY. All stations had SSB or FM Phone capability.

You could earn a SKYWARN Recognition Day certificate by working just one NWS station. However, you can also earn endorsements that are placed on the certificate by working various NWS stations in various categories.
Some examples of endorsements are:

Special Pearl Harbor Day Endorsement (Work both)
1. Honolulu, HI KH6SW (any time)
2. Any NWS Station 1800-1900Z

Great Lakes Mariner Endorsement (contact at least 4)
1. Chicago, IL W9S
2. Cleveland, OH W8C
3. Detroit, MI K8DTX
4. Grand Rapids, MI WX8GRR
5. Green Bay, WI KB9ALN
6. Milwaukee, WI WX9MKX

Lake Effect Snow (Work at least 3)
1. Buffalo, NY KB2UQX
2. Duluth, MN KØNWS
3. Gaylord, MI W8S
4. Marquette, MI WX8MQT
5. North Webster, IN WX9IWX

QLS cards were also available from many of the participating offices.

The NWS office in Sullivan, WI is WX9MKX.

If you worked SRD and need the QSL information, here it is.
1. Use the Certificate Log or create a handwritten log of NWS stations worked and indicate the endorsements you are applying for.
2. Enclose a self-addressed stamped envelope (important)
3. Mail both items to the QSL certificate issuing official listed below:

SKYWARN Recognition Day
920 Armory Road
Goodland, KS 67735

Please remember to enclose the self-addressed stamped envelope.

Related information can be found at the following websites:
http://hamradio.noaa.gov
SKYWARN Recognition Day
http://www.crh.noaa.gov/mkx/
National Weather Service forecast office in Sullivan
http://www.skywarn.org
National SKYWARN website
http://www.mke-skywarn.org/
Milwaukee's own SKYWARN website

73 de K9LCQ

MRAC board member
Sullivan Weather Operator

The Foundation For Amateur Radio, Inc.

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington D.C. plans to administer fifty-eight (58) scholarships for the academic year 2003 – 2004 to assist licensed Radio Amateurs. The Foundation composed for over seventy-five local area Amateur Radio Clubs, fully funds seven of these scholarships with the income from grants and its annual Hamfest. The remaining fifty-one (51) are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from $500 to $2500 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs, especially those in Deleware, Florida, Maryland, Ohio, Pennsylvania, Texas, Virginia, and Wisconsin, are encouraged to announce these opportunities at their meetings, in their club newsletters, during training classes, on their nets and on their world wide web home pages.

Additional information and application form may be requested by letter or QSL card, postmarked prior to April 30, 2003 from:

FAR Scholarships
Post Office Box 831
Riverdale, MD 20738

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501©(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

NOAA Weather Radio (NWR)?

Over the next few issues of the Chatter we will be exploring NOAA Weather Radio (NWR) and why every household should own a weather alert radio. It should be considered as essential as a smoke alarm.

What is a NWR?

NOAA Weather Radio is a nationwide network of radio stations broadcasting continuous weather information direct from a nearby National Weather Service office. NOAA Weather Radio broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day.

Working with the Federal Communication Commission's (FCC) Emergency Alert System, NOAA Weather Radio is an "all hazards" radio network, making it the single source for the most comprehensive weather and emergency information available to the public. NOAA Weather Radio also broadcasts warning and post-event information for all types of hazards - both natural (such as earthquake and volcano activity) and environmental (such as chemical releases or oil spills).

Next Month more frequently asked questions about NWR.

NOAA Weather Radio in South Central and Southeast Wisconsin

NWR transmitters in the WSFO Milwaukee/ Sullivan County Warning Area

Call Sign	Frequency	City located near
KEC60	162.400 MHz	Milwaukee
WWG90	162.425 MHz	Janesville
KZZ76	162.450 MHz	Racine
KHA47	162.450 MHz	Baraboo
WWG87	162.500 MHz	Fond Du Lac
WWG91	162.525 MHz	Sheboygan
WXJ-87	162.550 MHz	Madison

Where To Buy NOAA Weather Radios

NOAA Weather Radios are available at many retail stores that sell electronic appliances, marine supply stores, truck stops, cable shopping networks, mail order catalogs and the Internet. Their costs range from $20 to $80 depending on the model. For more information about NOAA Weather Radio online, please visit the Web site: http://205.156.54.206/nwr/geninfo.htm

Brian - K9LCQ

EVENTS

* indicates VEC Testing

VE Testing *
SAT. - JAN. 25, 2003 – 9:30 AM
AES
Milwaukee, WI

MID-WIINTER HAMFEST
SUN. - JAN. 26,2003
KANE CO. FAIRGROUNDS
ST. CHARLES, IL
T/I ON 145.390 MHz -

MRAC MEETING
JAN.. 30, 2002
7:00 PM
REDEMPTION LUTHERAN CHURCH
MILWAUKEE, WI

MRAC FM Simplex Contest
Sun. - Feb. 9, 2003

VE Testing *
SAT. - FEB. 22, 2003 – 9:30 AM
AES
Milwaukee, WI

MRAC Meeting
FEB. 27, 2002
7:00 PM
REDEMPTION LUTHERAN CHURCH
MILWAUKEE, WI

NS9RC HamFest
SUN. - MAR.23, 2003
Lake Co. Fairgrounds
Grayslake, IL
T/I on147.345 MHz + PL107.2)

Madison SwapSest *
Sun. - April 13, 2003
Mand Community Center
Stoughton, WI
T/I on 147.150 MHz

SwapFest Cedarburg *
SAT. - MAY 3, 2003
Circle B Recreation Center
Cedarburg, WI
T/I on 146.97- (PL 127.3 Hz)

Chicago Amateur Radio Club
HamFest
SUN. - MAY 25, 2003
DeVry University
Chicago, IL

Princeton HamFest
SUN. - JUN. 1, 2003
Bureau Co. Fairgrounds
Princeton, IL
T/I on 146.955 MHz - (103.5 PL)

SMARC SwapFest
Sat. - Jul. 12, 2003
American Legion Post 434
9327 S. Shepard Ave.
Oak Creek, WI

Use it or lose it -- our Repeater.

145.390 MHz - offset and PL of 127.3Hz

Meeting Schedule

Our Meeting schedule for the the remainder of the year 2002 is as follows:

Thu. - Jan. 30, '03
Thu. - Feb. 27, '03
Thu. - Mar. 27, '03
Thu. - Apr. 24, '03
Thu. - May 29, '03
Thu. - Jun. 26, '03

See you there!

Pancho - KA9OFA

Credits

Our thanks to our news contributors this month:

AB9CD	KG9EE	W9UQ
WA9CGE	AB9EK	KF9XL
	K9LCQ	

Thanks also to Rita Doneis, Armin Doneis, III, and Mark Tellier - AB9CD for their help in the proof-reading dept. Our thanks goes to John Merkl for making sure that the 'Chatter gets printed, stamped, and mailed.

Thanks also goes to Howard Parks who administers our website.

Thanks also to Alfred Huwald, Myron Hendrickson, and Ted Stiller for obtaining and serving refreshments at our meetings.

Thanks also goes to Tom Sherlowsky and Jacquie Horwitz for taking care of the raffle at the meetings.

Thanks John Kraak and Tom Fuszard who are our VEC's

Thanks to Jerry Wahlen - WA9CGE for hosting our Friday night nets.

Special thanks to all of our officers (past and present) who have tirelessly toiled for the good of the Club and Amateur Radio in general.

Many Thanks!

M.R.A.C.

Meetings are normally held the last Thursday of each month except in December.

Our next meeting is;

Thursday - January 30, 2002.

at 7:00 PM at:

Redemption Lutheran Church

Fellowship Hall

4057 N. Mayfair Rd.

(Use the south entrance)

HANDICAPPED ACCESSIBLE

Please! Don't call the Church for information!

Dues 'R Due,

Let's dues it.

Renewal form is in Nov. issue of 'Chatter or available at meeting.

Attention!!!

Program for the January 30 MRAC meeting will be a talk by TomSchulte - AB9EK about QSL's (EMail and snailmail)

Visit our Website **http://www.qsl.net/mrac/**

Our Phone (262) 797-MRAC

797 - 7 7 2 2

Milwaukee Radio Amateurs' Club
P.O.Box 070695
Milwaukee, WI 53207-0695

One of the World's Oldest Continuously Active Radio Amateur Clubs - - since 1917

M.R.A.C.

Phone (262) 797-MRAC -- Use Our Club Repeater 145.390 - offset and 127.3 Hz PL